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Solicitation NNK11374438R, Revitalize KSC Water and Waste Water Systems

1. REFERENCE: SF1442; and RFP Section L.6 (b) page 63 of 82

QUESTION: The RFP states in Section L.6. that the Relevant Experience/Past Performance Proposal is “to arrive not later than Friday 4/22/2011 at 4:00PM local time.” The SF1442 states that proposals are due by 12:00pm noon local time. Please clarify the time proposals are due.

ANSWER: Please see amendment #3 for revised bid due date and time.

2. REFERENCE: Section L.6. Part II Safety Past Performance Supplement (1) and L.3. NFS 1852.223-73 Safety & Health Plan, paragraphs 4-6 (pg. 59)

QUESTION: Both the Part II Safety Past Performance Supplement and the Safety & Health plan state that offerors are to provide documentation of an EMR rate, a DART rate, and a TCIR rate for the previous three years. Please confirm that this information should be provided in both places in the proposal.

ANSWER: Yes provide in both locations.

3. REFERENCE: Section L.6. Part II Safety Past Performance Supplement (1) and L.3. NFS 1852.223-73 Safety & Health Plan, paragraphs 4-6 (pg. 59)

QUESTION: Please define “documentation” demonstrating the DART, TCIR, and EMR. Does the documentation need to be in the format of a letter from the agency that calculates these rates? If so, please confirm that that these letters do not count against the six (6) allotted pages for the Part II Safety Past Performance Supplement.

ANSWER: There is no specified format for reporting DART, TCIR, and EMR rates for the past three years. Typically, a company gets their EMR (Experience Modification Rate) from their insurance company. The DART (Days Away Restricted Transferred) and TCIR (Total Case Incident Rate) is computed by the company and comes from their annual OSHA 300 records.

This information will be a part of PART II – Safety Past Performance Supplement which according to L3 page 58 is limited to six pages. “L. 6 Relevant Experience/Past Performance Proposal (p. 63) PART II – Safety Past Performance Supplement states “To facilitate this evaluation, offerors shall provide a standalone document titled Safety Past Performance Supplement and shall include documentation demonstrating: 1. Maintaining acceptable Days Away Restricted or Transferred (DART), Total Case Incident Rate (TCIR), and Experience Modification Rating (EMR) rates for the previous three years.”

“L.3 LISTING OF NASA FAR SUPPLEMENT (48 CFR CHAPTER 18) AND KSC PROVISIONS INCORPORATED BY REFERENCE AND IN FULL TEXT

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(a) The following page limitations are established for each portion of the proposal submitted in response to this solicitation. Relevant Experience/Past Performance Proposal – Part II – Safety Past Performance - Limited to six (6) pages”

4. REFERENCE: Booster pump station, specification 79K38700, Division 22, and as shown on drawings M5, A2, M6, and S6

QUESTION: We propose to provide a factory designed, skid mounted booster station to include the pumps, piping, valves, fittings, meter, and starter equipment (installed separately into controls room), The station will be complete and will meet the full functionality of the site built design when delivered. The installing contractor will have the responsibility of unloading, securing to the floor, and connecting the suction and discharge inlet and outlet onto the proposed water main. We provide custom booster pumping equipment nationally, with an average of three to four hundred stations of this type produced annually. We have produced stations for governmental contracts as well. Please review the brochure attached. The question is, as I read Section B – M, Page 3, this should be allowed, please let me know.

ANSWER: The contractor is required to meet the requirements specified within the contract documents using the contractor's means and methods. Significant deviation from the basis of design contract will be evaluated after award during the shop drawing submittal process. Any associated required design or engineering modifications shall be provided by the Contractor.

5. REFERENCE: Pumps, Page 379 allows Patterson, or an equal allowed by you.

QUESTION: We will propose a different manufacturer, performance curves and pump criteria to follow under separate email.

ANSWER: Any “or approved equal” components or systems will be evaluated after award during the shop drawing process with the successful offerer.

6. REFERENCE: Design Package 1 sheet 100 E5

QUESTION: What is manufacture and model of existing panel “P1”?

ANSWER: Panel P1 was recently installed as part of another contract. Panel P1 is manufactured by GE. The model number is AEF3181BBX.

7. REFERENCE: Design Package 3 sheet 53 E5

QUESTION: What is manufacture and model of existing SWBD 838?

ANSWER: This switchboard was recently replaced as part of another contract. SWBD 838 is manufactured by Square D. The model number is QED-2.

8. REFERENCE: Design Package 3 sheet 58 E10

QUESTION: What is manufacture and model of existing MCC-2?

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ANSWER: Assume that the MCC is Square D model number 5 for bidding purposes. The contractor is required to verify this information prior to purchase of the installed equipment.

9. REFERENCE: Design Package 3 sheet 61 E13

QUESTION: What is manufacture and model of existing MCC-2?

ANSWER: Assume that the MCC is Square D model number 5 for bidding purposes. The contractor is required to verify this information prior to purchase of the installed equipment.

10. REFERENCE: Design Package 3 sheet 68, 69 E20, E21 LS-12A

QUESTION: Provide location for new 60 amp safety switch on LS-12A site plan E20.

ANSWER: The new safety switch shall replace the existing safety switch and be installed in the same location.

11. REFERENCE: Design Package 3 sheet 71, 72, E23, E24

QUESTION: What is manufacture and model of existing panel PP-11? LS-1B control panel shows main circuit breaker as 40 amp "single pole", is that correct?

ANSWER: LS-1B has been removed from the contract. See Amendment #4 for revised drawing 79K38703 Rev B.

12. REFERENCE: SF 1442, item 13A

QUESTION: The RFP documents state that 3 copies of the proposal are required (SF 1442, item 13A); RFP documents also state that only 2 copies of Section 4 – Relevant Experience / Past performance Proposal and Section 5 – Safety and Health Plan is required (page 62/82 and page). Which is correct?

ANSWER: Both are correct; 3 copies of the proposal and 2 copies of sections 4 & 5.

13. REFERENCE: Item 4, Part II – Safety Past Performance

QUESTION: Item 4, Part II – Safety Past Performance – What is meant by "documentation demonstrating" relative to all of the safety factors named. We can provide information from CCASS, Safety records and measurement numbers but actual, documented proof of all these things would take hundreds of pages.

ANSWER: Please see question/answer #3.

14. REFERENCE: Bid Line Items

QUESTION: Will there be a revised bid form coming out? Package 3 is not shown. Also, can you please release some more detailed information in regards to each "Option"?

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ANSWER: Please see amendment 3 and 4 for revised bid documents and due dates.

15. REFERENCE: RFP For Solicitation Number: NNK11374438R

QUESTION: It's our understanding predicated on the discussions conducted at the site visit that the Bid submittal date will be expended. Will this time extension also be offered to the submission of the RFP Proposal? Since the subcontracts that are identified in the proposal influence the bid amount and it will affect our competitiveness.

ANSWER: Please see amendment 3 and 4 for revised bid documents and due dates.

16. REFERENCE:

QUESTION: Will contractors be rated more favorably if they provide a contract time shorter than the 540 calendar days listed in the RFP?

ANSWER: No.

17. REFERENCE: NNK11374438R, KSC Water Systems Revitalization, 145236-SOL-001-002, Section L.3a, KSC 52.214-90

QUESTION: Are there any badging requirements for entrance to the Central Industry Assistance Office? Will there be a representative in the lobby with an official bid clock to receive the bids?

ANSWER: No, there are no badging requirements for entrance to the Central Industry Assistance Office. Yes, there will be a representative receiving bids.

18. REFERENCE: NNK11374438R, KSC Water Systems Revitalization, 145236-SOL-001-002, Section F.1

QUESTION: Are there any phasing requirements required for construction or will phasing be at the discretion of the contractor with respect to the owner's requirements for continuing services, traffic flow, outages, etc.

ANSWER: Phasing of work is at the contractor's discretion such that contractual requirements are met.

19. REFERENCE: NNK11374438R, KSC Water Systems Revitalization, 145236-SOL-001-002, Section L.3a, KSC 52.214-90

QUESTION: Are commercial courier delivered packages acceptable for the technical package due on 4-22-11 should the pricing proposal be submitted at a later date?

ANSWER: A commercial courier is acceptable for delivery of the pricing proposal and the relevant experience/past performance summary proposal. Currently, the relevant experience/past performance proposal is due 5/05/11. The pricing proposal is due 05/05/11.

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20. REFERENCE:

QUESTION: No information could be detected in the RFP that outlines what the liquidated damages are set at. Can you please provide the amount of the daily liquidated damages?

ANSWER: Liquidated damages are not specified for this contract.

21. REFERENCE: SF1442, Page 63 (b)

QUESTION: There is a discrepancy in the bid time between the SF 1442 which states 12:00 Noon and Page 63 (b), which states 4:00 PM. 4:00 PM is also stated in several other areas. PLEASE CLARIFY THE TIME THE BID IS DUE.

ANSWER: Please reference question/answer #1.

22. REFERENCE: 40 -95-00 P 774 Sect: 3.9.4

QUESTION: Item a.2.f is incorrect. Our operating temperature range is 32 F - 105 F . The dwgs indicate that a fan will be provided in the FRP but no air conditioner. We strongly recommend that an air conditioner be added to the FRP shelter to maintain temperatures below our maximum of 105 F or the warranty on our analyzer will be null and void.

ANSWER: The Government will not be providing an air conditioner for the FRP shelter.

23. REFERENCE: 40 -95-00 P 774 Sect: 3.9.4

QUESTION: The ChemScan analyzer does not meet 3.E.2 . for a Nema 4X, IP 66 enclosure rating. It can be either Nema 4 in powder coated steel or Nema 4X in 316L stainless steel. IP 66 refers to a submersible rating and that is not possible with our instrument design. please strike this item by amendment or we will not be able to bid

ANSWER: The Control Panel shall be NEMA 4X rated.

24. REFERENCE: 40 -95-00 P 774 Sect: 3.9.4

QUESTION: Item A 3.a is referring to a TSS level that does not apply to our machine. Please strike it and insert "Sample flow shall consist of a liquid with less than 150ppm of TSS or a turbidity of less than 60 NTU"

ANSWER: Delete Part 3.9.4.A.3.a "Dynamic Range: 200 to 400 microns." from Specification 79K38700 REV B, Section 40 95 00, Process Control System.

25. REFERENCE: 40 -95-00 P 774 Sect: 3.9.4

QUESTION: The drawing of the shelter indicates that the analyzer is mounted such that the door opens from the right hand hinge. This is impossible due to control boards being mounted on the door face and cables connecting to the internal components. Please revise the drawing to show that the panel opens from the left handed hinge and please insure that there is enough

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room to swing the door fully open for service and maintenance access as might be required in the future.

ANSWER: Either left- or right-hand swing direction is acceptable as long as there is enough room to swing the door fully open.

26. REFERENCE:

QUESTION: Is there a pre-bid video of the sanitary sewer lines that we can review for the sewer lines that are scheduled for CIPP lining?

ANSWER: No.

27. REFERENCE: SF 1442

QUESTION: Drawings and specifications for Design Package 3 are included in the Solicitation, but the CLIN schedule shown on the SF 1442 does not include a line for Task 3. Where are the costs to be reported for this package?

ANSWER: Please see amendment 3 and 4 for revised bid documents and due dates.

28. REFERENCE: Design Package 1, Page C52

QUESTION: Typical Utility Trench Detail Notes #3 & #4 stated that the pipe bedding and native undisturbed material shall be in a completely dewatered trenches. Because the groundwater level at KSC varies in accordance with locations and the time of the year, it will be very difficult to estimate the scope of the dewatering. Please provide the approximate linear feet of trenches that dewatering will be required so that we can price it accordingly

ANSWER: Dewatering is the contractor's responsibility in order to meet project requirements. Variations in, including but not limited to, groundwater, weather, and schedule are to be managed by the contractor. Quantity takeoffs are the responsibility of the contractor.

29. REFERENCE: Design Package 1, Page EN1

QUESTION: General Note #1 stated that the groundwater is contaminated within various SWMU and PRL locations. Note #2 states "the dewatering effluent shall be discharged to grade upland of the excavated area and allowed to percolate back into the pervious ground surface". Are we expected to just follow Note #2 while we are dewatering the sites or do we need to treat the contaminated groundwater before discharging it upland?

ANSWER: The contractor is NOT required to treat contaminated groundwater.

30. REFERENCE: Design Package 1, Sheet 102, 103, E7, E8

QUESTION: What type enclosure (Nema) is required for booster and jockey pump safety switches?

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ANSWER: Specification Section 26 05. 00.00 40 2.4.1 calls for a NEMA 1 enclosure for safety switches.

31. REFERENCE: Attachment J-1, Project Specific Requirements

QUESTION: J-B-10 Restoration of Grasses Areas Disturbed by Construction provides for restoration by seeding and mulching except when erosion may occur, in which case sod is to be used. The specifications for all three design packages indicate restoration is to be accomplished by sodding without any reference to seed and mulch. Please clarify the requirements for restoration of grassed areas in light of this conflict.

ANSWER: Sodding is required for all disturbed areas per the specifications.

32. REFERENCE: Attachment J-1, Project Specific Requirements

QUESTION: J-B-27 indicates that hand excavation is required within five (5) feet of existing utilities. Another NASA reference document, KNPR 8715-7, requires hand excavation within two (2) feet of existing utilities. There are many areas shown on the drawings where pipelines are being installed between parallel existing utilities which appear to be less than ten (10) feet apart or may be determined at a later time to be less than ten (10) feet apart, which would necessitate hand dig installation of excessive amounts of piping, perhaps hundreds or even thousands of lineal feet at great additional cost to the government. Please clarify the requirements of hand digging in light of this conflict.

ANSWER: The Contractor is to comply with the hand excavation requirement under J-B-27 when applicable.

33. REFERENCE: Attachment J-1, Project Specific Requirements

QUESTION: J-B-16 indicates the requirement for one full-time superintendent who may not fill any other positions in the performance of the contract. Each of the three design package specifications sections 013525, paragraph 1.5.1.1 requires a Site Safety and Health Officer (SSHO) "at each project site" and "at the work site at all times". Further, paragraph 1.5.2.1 seems to indicate that the Superintendent, Quality Control Manager and SSHO are/may be the same person. Since there are multiple areas throughout the project (ie: VAB (North) Area, Industrial South) Area, then also sub-areas such as the LC39 Area, etc.) please specify the exact requirements which will allow us to determine the extent of supervisory personnel required for the project and include the corresponding monies in our proposal. Can the Superintendent also be the SSHO provided he/she has the proper credentials? Can the Superintendent/SSHO supervise all the areas of the contract? (It would seem logistically unfeasible to have multiple superintendents reporting to the inspector, COTR, etc.) Is there any requirement for a separate "Quality Control Manager" position, or can this also be the Superintendent/SSHO?

ANSWER: The contractor shall provide one project superintendent and one project Site Safety and Health Officer (SSHO). If the contractor's means and methods includes multiple work locations at any given time, the project superintendent shall designate a representative to have control and supervision for each work location and a means of

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direct communication with the project superintendent and SSHO. A quality control manager is not specified by the contract documents.

34. REFERENCE: Section H – Special Contract Requirements, NFS1852.243-72

QUESTION: Equitable Adjustments, specifies a maximum of 10% Overhead and 10% profit for work performed by the contractor or a subcontractor with its own forces. This seems to be in contrast with other FAR allowances of up to 15% overhead without an audit. Please advise.

ANSWER: NFS 1852.243-72 has been removed in its' entirety. See Amendment 4

35. REFERENCE: Attachment J-1, Project Specific Requirements

QUESTION: J-A-3(f) requires sewer systems components' inverts and locations to be surveyed, signed and sealed by a FL Registered Land Surveyor. Does this also include those components which are not new, but are being "repaired" or re-lined such as wet-wells, manholes and slip-lined piping?

ANSWER: No, this requirement is only for new locations.

36. REFERENCE:

QUESTION: We've been in business since 1990 and during that time we've dismantled hundreds of water towers. Many of them have been for Military Bases throughout the U.S.. We even took one down for NASA at their Houston facility in 2005. Standard procedure is to cut through the existing lead based paint while wearing respiratory protection per 1926.62. The ground under the tank is covered with fire resistant plastic to help contain any paint chips which we may knock loose. We don't utilize a de-con trailer with showers. We use disposable coveralls. The demolition of each tank (to the foundation) will be a two day job. I've only been through a few hundred pages so far, but section 02 82 33.13 mainly talks about lead based paint in housing. If we adhere to 1926.62, can we cut through the existing lead based paint. Will we need to cover the ground under & within 30' of each tank to collect any paint chips which we may knock loose, or is the soil being abated anyway? Even though we've dismantled hundreds of tanks & towers with lead based paint on them, will we have to hire a CIH to over see the project?

ANSWER: Per Specification 02 82 33.12. 20 paragraphs 1.4 SD-07 and 1.5.2.2, a detailed job-specific plan of work procedures for removal/control of Lead-Based Paint must be submitted to the Government for review and approval. Per this specification, work shall be in accordance with 29 CFR 1926.62, approved by the Competent Person and developed by a certified planner/project designer. The contractor determines the method of containment for controlling lead. Per Drawing Sheet EN 1 General Note 1, the soil shall remain onsite, otherwise it must be handled, sampled and disposed of in accordance with NASA's PWQ/TRP process. A decontamination room is required per Paragraph 3.1.1.4. Paragraph 3.3.2 identified requirements and prohibits certain methods of sanding/grinding surfaces with lead. A CIH is not required, although recommended in

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Paragraph 1.2.5. A Competent Person is required and specific requirements for the Competent Person are identified in Paragraph 1.5.2.1.

37. REFERENCE: Drawing # 79K38703/04 Specifications: Division 33 33 32 13.13 2.20.1.2

QUESTION: The specifications require a solar shield for each enclosure but the general lift station control panel detail (Drawing # 79K38703) requires solar shields on the front, back, top, and sides of each enclosure. Could you verify the number of shield required for each enclosure and verify their locations?

ANSWER: Provide solar shields as indicated in Drawing 79K38703.

38. REFERENCE: Drawing # 79K38703 Specifications: Division 33 32 13.13 section 2.20.1.6 b

QUESTION: Specifications require a generator receptacle for each lift station control panel and the drawing requests 100 amp units. Could you verify which manufacturer and model number receptacle is required for each panel?

ANSWER: The Contractor shall submit their proposed generator receptacle for approval via the shop drawing process after award.

39. REFERENCE: Construction Drawing M-10 (Package #3) Sheet 45

QUESTION: Please Clarify: The Lift Station Pump Data Table show Lift Station #4S using Hydromatic Model H4HX1500 pump, the Construction Specifications Section #333213.13 Page 360 shows Lift Station #4S as having a HPGFX-750 pump

ANSWER: LS-4S is using a Hydromatic Model H4HX1500 pump as indicated in the Lift Station Pump Data Table. Performance pump testing curves will be required to be submitted for ALL lift station pumps. The end-suction vertical pumps for LS-1AA and LS-4A will require vertically mounted, TEFC, SF 1.15 Premium Efficiency, 75 hp, 460 volt, 3-phase, 60 hz; NOT oil cooled induction, insulation class F, 75 hp, 460 volt, 3-phase, 60 hertz, SF 1.12 NEMA Design type B as indicated in Specification Section 33 32 13.13.

40. REFERENCE:

QUESTION: Has a Geotechnical Survey been completed, are there boring logs available

ANSWER: No.

41. REFERENCE: Solicitation Item L.5 General Proposal Preparations, page 61 of 82

QUESTION: Please Clarify: The only items currently due on 22 April 2011 (NTL 4 pm) are the items listed in L.5(c)4? They will not be required to be resubmitted with the bid when the date is determined, is this correct?

ANSWER: Currently the relevant experience/past performance proposals are due on 5/05/11 and the pricing proposals are due on 05/05/11.

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42. REFERENCE: SF 1442 Block 13(A.) / Solicitation L.6 Relevant Experience/Past Performance Proposal (b) Page 63 of 82.

QUESTION: SF 1442 Block 13(A.) states that all sealed offers are turned in to the CIAO office by 12:00pm Noon on April 22nd, however Solicitation L.6 (b) states that Part I-IV are to be provided to the CIAO office by 4:00pm on April 22nd. Please clarify the time in which the sealed offers are due, based on the definition of a properly submitted offer, per Solicitation L.5 (c) Page 62 of 82.

ANSWER: Please see amendment #3 for revised bid due date and time.

43. REFERENCE: Solicitation L.5 General Proposal Preparation Instructions (c) (5) Page 62 of 82 / NFS 1852.223-73 Safety and Health Plan. (Nov 2004) Page 58 of 82

QUESTION: Per Solicitation L.5 (c) (5), a properly submitted offer shall consist of the offer's Safety and Health Plan in accordance with NASA FAR Supplement 1852.223-73. However clause NFS 1852.223-73 states that a Safety and Health Plan shall be included upon the request of the Contracting Officer. Please confirm that the offer's Safety and Health Plan is a requirement of this solicitation and is to be provided prior to award.

ANSWER: Yes, the offeror is to provide their Safety and Health Plan with their offer.

44. REFERENCE: Solicitation J.1 List of Attachments (Attachment J-7)

QUESTION: Will it be a requirement of any resulting contract for the Contractor to submit a detailed Site Specific Safety Health Plan inclusive of all Asbestos Abatement Plans, Toxic Metals Abatement Plans, PCB Abatement Plans, Respiratory Protection Program, Confined Space Access Program, Traffic Control Plans, Lifting and Rigging Plans, Site Specific Fall Protection Plans, Lockout / Tagout Program, and all applicable Job Hazard Analysis and/or Activity Hazard Analysis documents? Article I.8 doesn't appear to apply to the requirements of Attachment J-7, please clarify.

ANSWER: Yes, the successful offerer will be required to submit a "Site Specific Safety and Health Plan" with the associated plans as applicable to final contract scope (inclusive of any awarded options), the requirements for the plan can be found in Attachment J-2.

45. REFERENCE: Solicitation H.3 KSC 52.242-90 Controls Applicable to Contractor's Activities (Jan 2011) Page 19 of 82

QUESTION: Please identify what revision number of the KNPR 8715.3 KSC Safety Practices Procedural Requirements will be applicable for this contract.

ANSWER: Revision I-1, effective June 1, 2010. Document is available at website referenced in Section H.3 of the solicitation.

46. REFERENCE: Attachment J-1 Project Specific Requirements, J-B-22 Permit Requirements Page 25 of 36

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QUESTION: J-B-22 Permit Requirements states that the Contractor is responsible to obtain the FDEP/Brevard County Onsite Sewage Treatment and Disposal System Construction/Permit Abandonment and the FDEP/Brevard County Well Construction/Abandonment Permits, “if required”. Are the previously stated permits required for this project? Is the Contractor responsible for any other permit requirements, if so please provide?

ANSWER: Yes, FDEP/Brevard County Onsite Sewage Treatment and Disposal System Construction/Permit Abandonment and the FDEP/Brevard County Well Construction/Abandonment Permits as required contractors means and methods.

No, the contractor is not responsible for any other permits.

47. REFERENCE: Solicitation NFS 1852.243-72 Equitable Adjustments. (Apr 1998) Page 17 of 82

QUESTION: Does clause NFS 1852.243-72 Equitable Adjustments. (Apr 1998) apply to Owner directed changes for this contract?

ANSWER: NFS 1852.243-72 has been removed in its' entirety. See Amendment 4 (SF30)

48. REFERENCE: Solicitation NFS 1852.243-72 Equitable Adjustments. (Apr 1998), paragraph (b) Page 17 of 82

QUESTION: Clause NFS 1852.243-72 paragraph (b) states that the overhead percentage shall include all indirect costs including, but not limited to, field and office supervisors and assistants, incidental job burdens, small tools, and general overhead allocations. Field and office supervisors and assistants, incidental job burdens, and small tools are not indirect costs to the project rather direct costs that are subject to the size and scope of the change or change condition. Please advise as the previously stated direct costs can't be articulated into a fixed percentage.

ANSWER: NFS 1852.243-72 has been removed in its' entirety. See Amendment 4 (SF30)

49. REFERENCE: Solicitation NFS 1852.243-72 Equitable Adjustments. (Apr 1998), paragraph (b) Page 17 of 82

QUESTION: Clause NFS 1852.243-72 paragraph (b) provided ceiling rates, indicates that the Contractor in which work is performed by other than its own forces is not entitled to a percentage of the direct cost for Overhead. Please advise since there would be costs associated with the Contractor's home office overhead for resulting equitable adjustments and/or Owner requested changes. How will the Contractor be compensated for these costs?

ANSWER: NFS 1852.243-72 has been removed in its' entirety. See Amendment 4 (SF30)

50. REFERENCE: Solicitation NFS 1852.243-72 Equitable Adjustments. (Apr 1998), paragraph (e) Page 17 of 82

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QUESTION: Clause NFS 1852.243-72 paragraph (e) states that equitable adjustments for deleted work shall include credits, limited to the same percentages for overhead, profit and commission in paragraph (b) of this clause. Please clarify as to the intent of “limited to the same percentages”. Will the provided percentages in paragraph (b) serve as ceiling rates, thus leaving the final credit for these items subject to negotiations? This clause presumes that overhead, profit, and commission for equitable adjustments would be the same percentages used in the bids for the base contract work, which may not be a correct presumption.

ANSWER: NFS 1852.243-72 has been removed in its' entirety. See Amendment 4 (SF30)

51. REFERENCE: Attachment J-1 Project Specific Requirements, J-B-16 Superintendent Assignment / Drawing # 79K38700 Rev A., 79K38702, & 79K38704 Specification 01 35 26 Governmental Safety Requirements Paragraph 1.5.1.1 “Site Safety and Health Officer (SSHO)”

QUESTION: Specification 01 35 26 paragraph 1.5.1.1 states that the Contractor shall provide a Site Safety and Health Officer (SSHO) at all times. Based on J-B-16, the Superintendent must be 100 percent committed to superintending the work and cannot fill any other positions in the performance of this contract. Please confirm that a SSHO is required in addition to the Superintendent.

ANSWER: Please see question/answer #33.

52. REFERENCE: Drawing # 79K38700 Rev A., 79K38702, & 79K38704 Specification 01 35 26 Governmental Safety Requirements Paragraph 1.5.1.1 “Site Safety and Health Officer (SSHO)”

QUESTION: Specification 01 35 26 paragraph 1.5.1.1 states that the Contractor shall provide a safety oversight team that includes a minimum of one (1) Competent Person at each project site to function as the SSHO. Please clarify what the Government’s interpretation of “project site” would be for the purpose of assessing how many personnel will be required. This project involves work at multiple sites that may have some concurrent work activities. Is it the Government’s intent to have a SSHO at each location across KSC where the Contractor may be performing work?

ANSWER: Please see question/answer #33.

53. REFERENCE: Drawing #79K38700 Rev A., Specification 33 11 00 Water Distribution Paragraph 3.7

QUESTION: Will the Contractor be responsible for the bacteriological testing of all new installations, repairs, and/or modifications to the potable water mains?

ANSWER: No, bacteriological testing will be provided by the government. The contractor shall coordinate the scheduling of tests with the government and take corrective actions if results do not meet required standards.

54. REFERENCE: Design Package 1 drawings 79K38699 and specifications 79K38700

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QUESTION: In the Design Package 1 specifications there is a Section 03 01 30.71 Concrete Rehabilitation. Where is this type of work referenced in the drawings 79K38699?

ANSWER: This section is included to provide direction regarding concrete repair which may occur to facilitate construction.

55. REFERENCE: Design Package 1 Drawings 79K38699, sheet C20, Note 2 states "All hose bibb locations within Pad B shall have non-potable water connection signs, typical twenty-five (25) locations. See specification section 33 11 00."

QUESTION: Please provide how many locations (count)?

ANSWER: Twenty-five (25) signs are required.

56. REFERENCE: Design Package 1 Drawings 79K38699, sheet C20, Note 3 states "Non-potable water warning signs to be placed on all restroom doors within Pad B, typical eight (8) locations. Refer to specification section 33 11 00."

QUESTION: Please provide how many locations (count)?

ANSWER: Eight (8) signs are required.

57. REFERENCE: Design Package 1 Drawings 79K38699, sheet C23, Note 2 states "All hose bibb locations within Pad A shall have non-potable water connection signs, typical twenty-five (25) locations. See specification section 33 11 00."

QUESTION: Please provide how many locations (count)?

ANSWER: Twenty-five (25) signs are required.

58. REFERENCE: Design Package 1 Drawings 79K38699, sheet C23, Note 3 states "Non-potable water warning signs to be placed on all restroom doors within Pad A, , typical eight (8) locations.. Refer to specification section 33 11 00."

QUESTION: Please provide how many locations (count)?

ANSWER: Eight (8) signs are required.

59. REFERENCE: Design Package 1 Drawings 79K38699, sheet C27, Note 1 states "Non-potable water warning signs to be placed on the restroom doors at K7-0188C, typical three (3) locations. Refer to specification section 33 11 00."

QUESTION: Please provide how many locations (count)?

ANSWER: Three (3) signs are required.

60. REFERENCE: Design Package 1 Drawings 79K38699, sheet C27, Note 2 states "All hose bibb locations within crawler maintenance yard shall have non-potable water caution signs, typical ten (10) locations. See specification section 33 11 00."

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QUESTION: Please provide how many locations (count)?

ANSWER: Ten (10) signs are required.

61. REFERENCE: Design Package 3 Specifications 79K38704, Section 33 01 30.72, Page 308, Part 2 Products, 2.1 Fiberglass Liner

QUESTION: The above referenced states "Provide fiberglass liners specifically manufactured for sewer use", but then specifies Modified Polymer with Polyurethane/Polymeric blend foam as manufactured by Spectrashield. Are fiberglass liners acceptable?

ANSWER: See Amendment #4 for modified specifications section 79K38704 Rev B.

62. REFERENCE: Design Package 3 Specifications 79K38704, Section 33 01 30.72, Page 308, Part 2 Products, 2.1 Fiberglass Liner

QUESTION: Is the Spectrashield system acceptable?

ANSWER: See Amendment #4 for modified specifications section 79K38704 Rev B.

63. REFERENCE: Design Package 3 Specifications 79K38704, Section 33 01 30.72, Page 308, Part 2 Products, 2.1 Fiberglass Liner

QUESTION: If the Spectrashield lining system is acceptable, is the Raven 405 lining system by Raven Lining Systems an acceptable alternate?

ANSWER: See Amendment #4 for modified specifications section 79K38704 Rev B.

64. REFERENCE: Design Package 1 Drawings 79K38699, sheet A-8, Detail 4 Roof at Clerestory

QUESTION: Does the underside of the metal deck receive paint?

ANSWER: Decking material shall comply with Specification Section 05 30 00.

65. REFERENCE: Design Package 1 Drawings 79K38699, Pump Station in general

QUESTION: Does the interior side of the cmu walls receive paint?

ANSWER: Coating shall comply with Specification Section 09 90 00.00 98.

66. REFERENCE: Design Package 1 Drawings 79K38699, sheet A-8, Detail 3 Typical Rake Section.

QUESTION: All of the details on sheet A-8 note a texture coating on the exterior of the Pump Station building. Please provide specification section for texture coating?

ANSWER: Coating shall comply with Specification Section 09 90 00.00 98.

67. REFERENCE: Design Package 2 Drawings 79K38701, General

Attachment 1

QUESTION: Can the water tanks metal salvage be recycled or does it have to be disposed of on site (KSC)?

ANSWER: Reference section J-B-21 – Recycling and Salvaging Materials under “Contractor Property”. The contractor shall assume ownership of all metals.

68. REFERENCE: Design Package 2 Drawings 79K38701, General

QUESTION: Can the existing asbestos piping be disposed of on-site or off-site?

ANSWER: Asbestos piping can be disposed of on-site at the landfill on Schwartz Road. See Attachment J-1 Project Specific Requirements, J-B-26

69. REFERENCE: Design Package 2 Drawings 79K38701, General

QUESTION: Is there a fee for disposal of asbestos containing material on-site (KSC)?

ANSWER: No.

70. REFERENCE: Solicitation NNK11374438R

QUESTION: Attached please find two Peerless performance curves. The Peerless are an industry standard pump, with better efficiency on the larger pumps than the Patterson. Please confirm if this pump selection is acceptable.

ANSWER: Please see question/answer #5.

71. REFERENCE: NNK11374438R, KSC Water Systems Revitalization, 145236-SOL-001-0011, Section 01 35 26 1.5.1.1

QUESTION: Should the contractor be working at multiple locations, Will use of one primary SSHO with competent personnel at each site be adequate?

ANSWER: Please see question/answer #33.

72. REFERENCE: NNK11374438R, KSC Water Systems Revitalization, Design Package 1, Sheets A4, A10, A11

QUESTION: Verify that louvers depicted by the architectural drawings do not require motorized fans and the only HVAC provided for the W5 Pump house shall be the RTU-1 above the Electrical Room.

ANSWER: Correct. The louvers do not require motorized fans and are for natural ventilation. RTU-1 as shown on sheets H1 and H2 is specifically for HVAC loads for the electrical room only (Room area 012).

73. REFERENCE: NNK11374438R, KSC Water Systems Revitalization, Design Package 2, Sheet V3, Note 35

Attachment 1

QUESTION: Please provide specification for the requirement of seismic monitoring during demolition activities, the specification 02 41 00 referenced does not address this.

ANSWER: The Contractor is responsible for documenting pre-existing and post-demolition conditions of facilities, infrastructure, structures, and monuments in the vicinity of the work zone to demonstrate that the demolition of the elevated storage tanks had no negative impacts. Seismic monitoring is not required.

74. REFERENCE: NNK11374438R, KSC Water Systems Revitalization, 145236-SOL-001-0012, Section 02 41 00, Design Package 2 Drawings

QUESTION: Please specify whether demolished steel and concrete foundations shall be salvaged and turned over to the owner at "DARCY" per 02 41 00 or shall become property of the contractor for disposal?

ANSWER: Please see question/answer #67.

75. REFERENCE: Specification 79K38700 Section 33 32 13.13

QUESTION: Do the pumps require performance testing (curves) approved by engr. prior to shipment?

ANSWER: Yes, pumps require performance testing curves to be approved via the shop drawing process.

76. REFERENCE: Specification 79K38700 Section 33 32 13.13

QUESTION: Specification is asking for a oil cooled induction/insulation class F / 75 hp / 460 v / 3 ph / 60hz / SF 1.12 NEMA Design Type B. This style of pump uses a vertically mounted, TEFC, SF 1.15 Premium Eff, 75 hp / 460 v / 3 ph / 60hz

ANSWER: Please see question/answer #39.

77. REFERENCE: Specification 79K38700 Section 33 11 00; Page 681; Section 2.1.2.21 Tapping Valves

QUESTION: The above section references double disc valves manufactured to AWWA C-500. We believe AWWA C-500 double disc valves are inferior to and have been replaced by AWWA C-509/C-515 resilient wedge gate valves. We ask that you add valves to AWWA C-515 to this section as they are listed

ANSWER: Section 2.1.2.21 is replaced in its entirety to read as follows:

2.1.2.21 Tapping Valves

Provide resilient wedge gate valves with mechanical and flanged ends in accordance with requirements of AWWA C515. Comply with requirements of ASME B16.1 for inlet flange and with AWWA C111/A21.11 for mechanical joint outlet. The minimum pressure

Attachment 1

rating shall be 250 psi. One end shall have slotted bolt holes in accordance with AWWA C515, Paragraph 4.4.1.3.4 to fit tapping machines. Valve body shall be iron, bronze fitted. Valves shall be of the bolted bonnet type with nonrising stems. Valve stems shall be Type 304 or 316 stainless-steel or cast, forged, or rolled bronze. Stem nuts shall be made of solid bronze. Bronze for internal working parts, including stems, shall conform to ASTM B62 or ASTM B584 (Alloy C83600), except that the stem bronze shall have a minimum tensile strength of 60,000 psi, a minimum yield strength of 30,000 psi, and a minimum of 10% elongation in 2 inches (ASTM B584 or B763, Alloy C87600 or C99500). Body bolts shall be Type 316 stainless-steel. Provide reduction-thrust bearings above the stem collar. Stuffing boxes shall be O-ring seal type with two rings located in the stem above the thrust collar. Each valve shall have a smooth unobstructed waterway free from any sediment pockets. Provide valve with a 2-inch square nut, operator, and valve box. Epoxy coat the interior of the valves in accordance with AWWA C550. The exterior shall be epoxy coated by the manufacturer at the place of manufacture with either fusion-bonded epoxy or heat-cured liquid epoxy. Minimum epoxy thickness shall be 8 mil. Before shipment from the factory, hydrostatically pressure test the valve to the requirements for both AWWA and ULC. Submit the test results to the Contracting Officer for approval.

78. REFERENCE:

QUESTION: At any given time, how long in hours or days can any segment or section of the potable water line be out of service?

ANSWER: Please see section F.6 “Operational Area Access Constraints” of the solicitation documents for work windows.